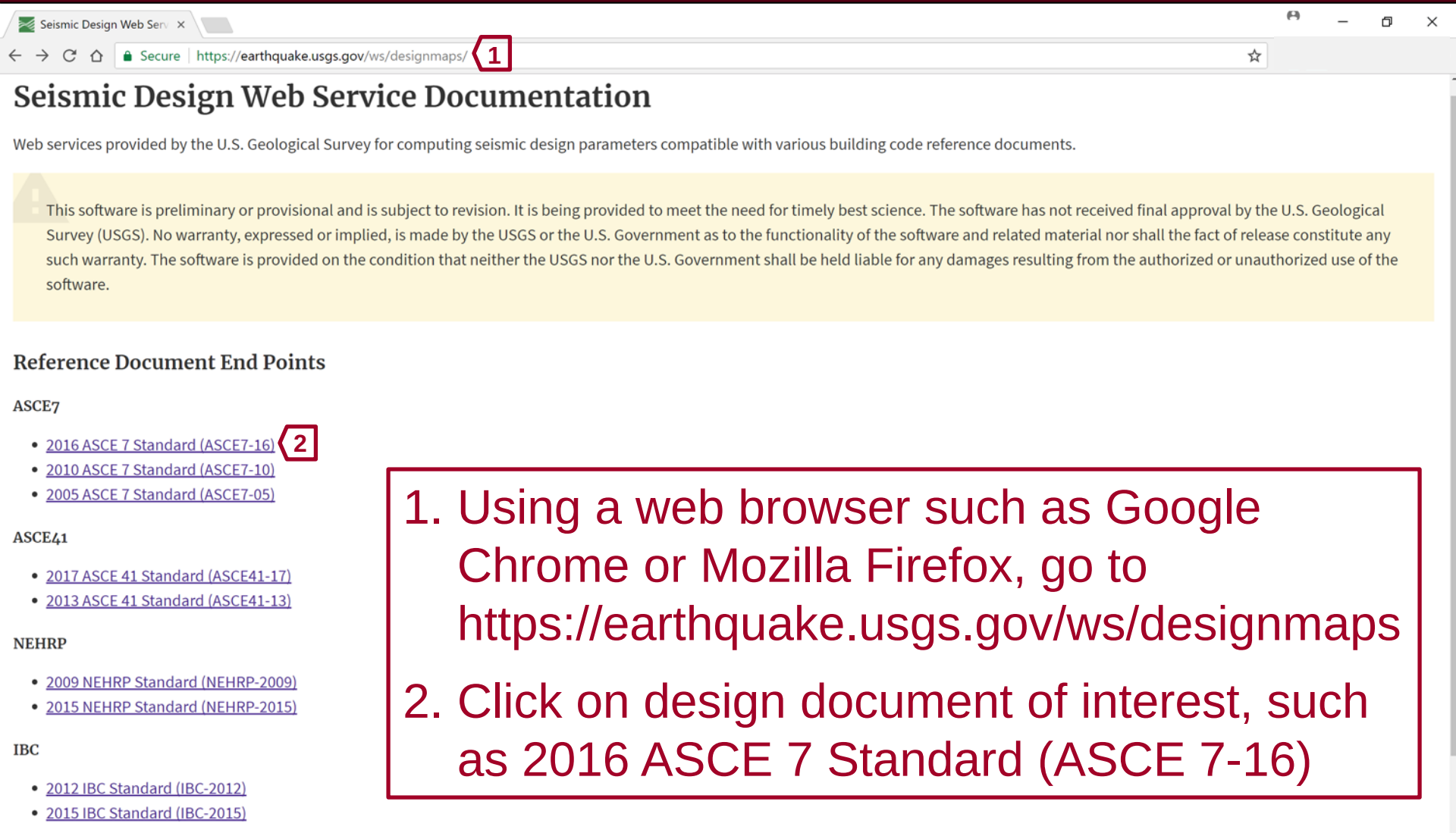
Step-by-step instructions: Steps 1-2 of 9

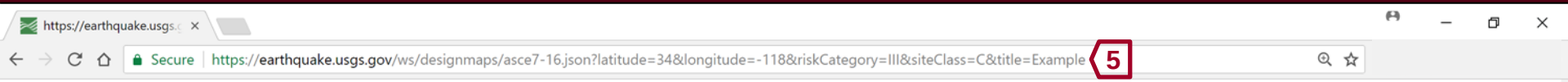


1. Using a web browser such as Google Chrome or Mozilla Firefox, go to https://earthquake.usgs.gov/ws/designmaps
2. Click on design document of interest, such as 2016 ASCE 7 Standard (ASCE 7-16)

U.S. Geological Survey (USGS) Seismic Design Web Services

Step-by-step instructions: Steps 3-4 of 9

Step-by-step instructions: Step 5a of 9

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{
  "request": {
    "date": "2018-02-12T13:30:33.848Z",
    "referenceDocument": "ASCE7-16",
    "status": "success",
    "url": "https://earthquake.usgs.gov/ws/designmaps/asce7-16.json?
latitude=34&amp;longitude=-118&amp;riskCategory=III&amp;siteClass=C&amp;title=Example",
    "parameters": {
      "latitude": 34,
      "longitude": -118,
      "riskCategory": "III",
      "siteClass": "C",
      "title": "Example"
    }
  },
  "response": {
    "data": {
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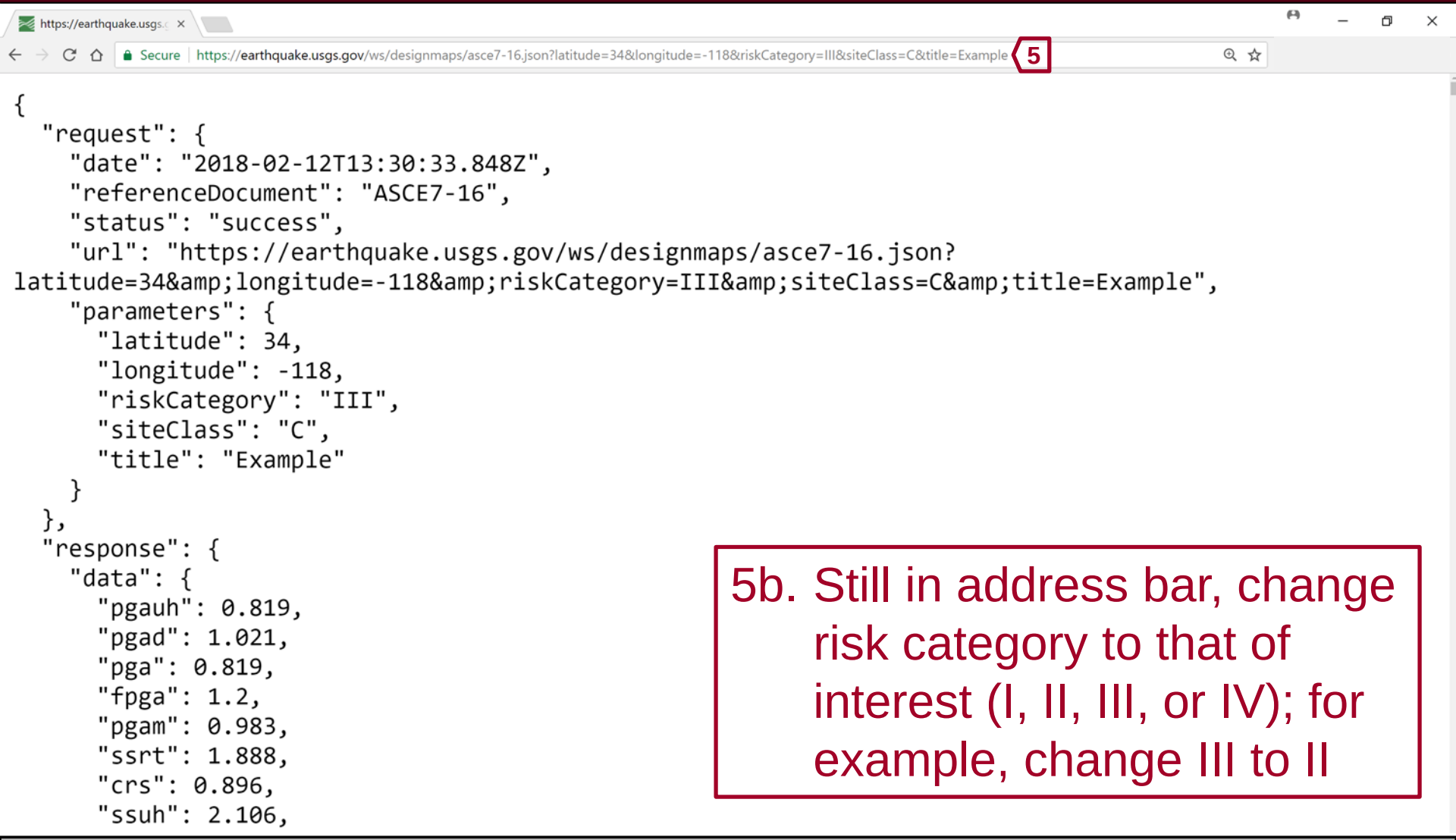
      "pgad": 1.021,
      "pga": 0.819,
      "fpga": 1.2,
      "pgam": 0.983,
      "ssrt": 1.888,
      "crs": 0.896,
      "ssuh": 2.106,
```

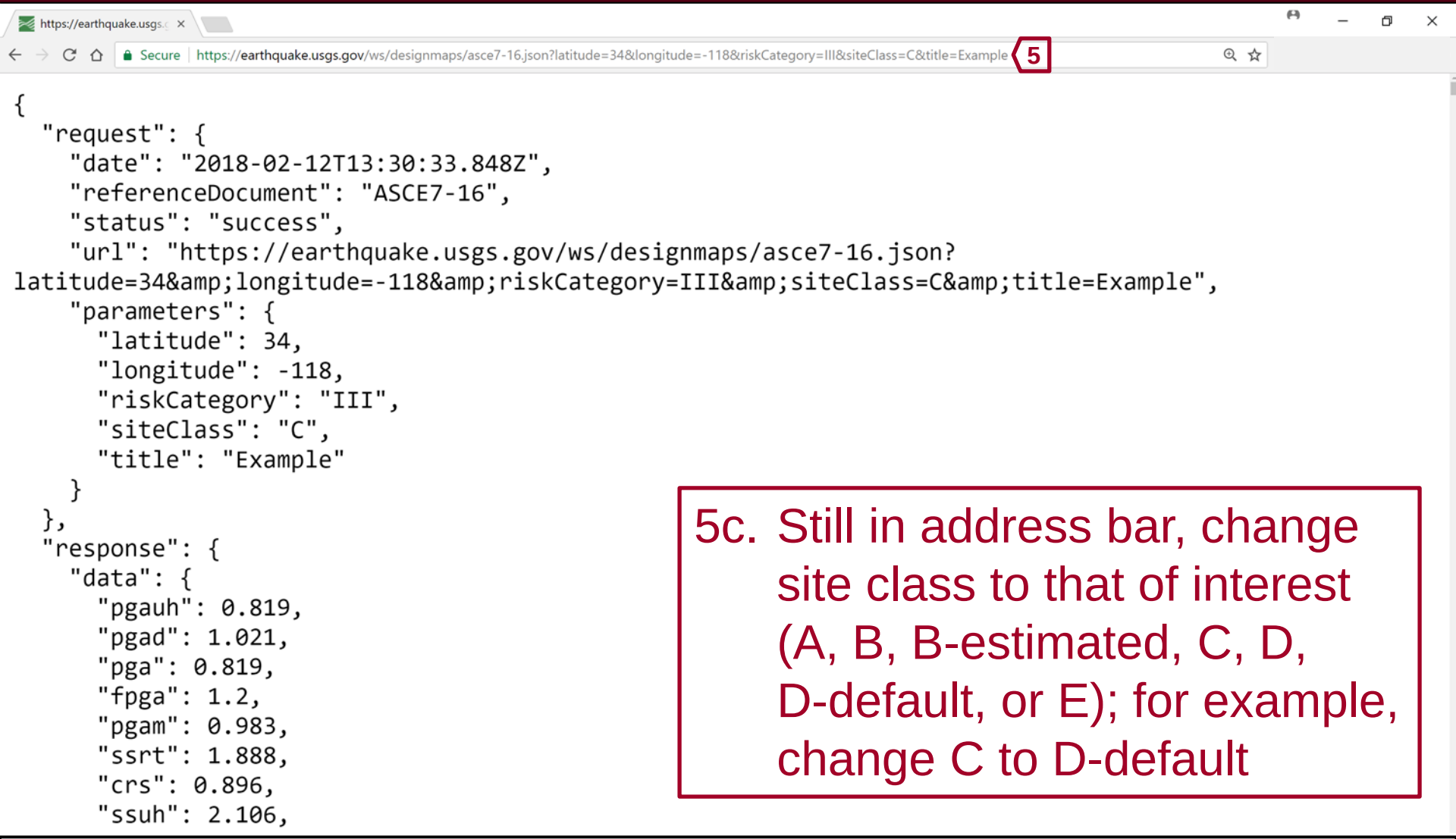

5a. In address bar, change latitude and longitude to those of interest; for example, change 34 to 34.05 and -118 to -118.25

Step-by-step instructions: Step 5b of 9



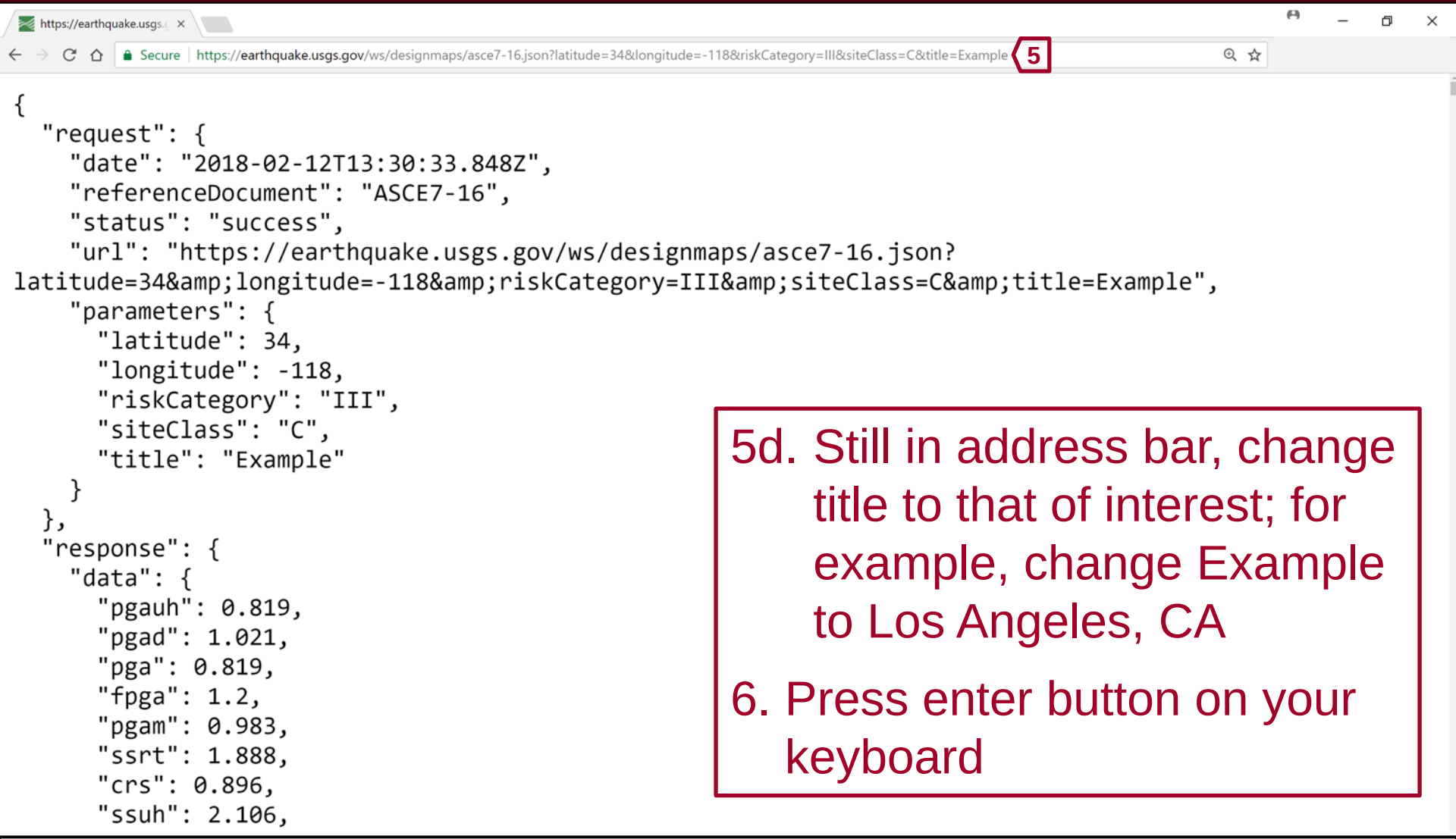
5b. Still in address bar, change risk category to that of interest (I, II, III, or IV); for example, change III to II

Step-by-step instructions: Step 5c of 9



5c. Still in address bar, change site class to that of interest (A, B, B-estimated, C, D, D-default, or E); for example, change C to D-default

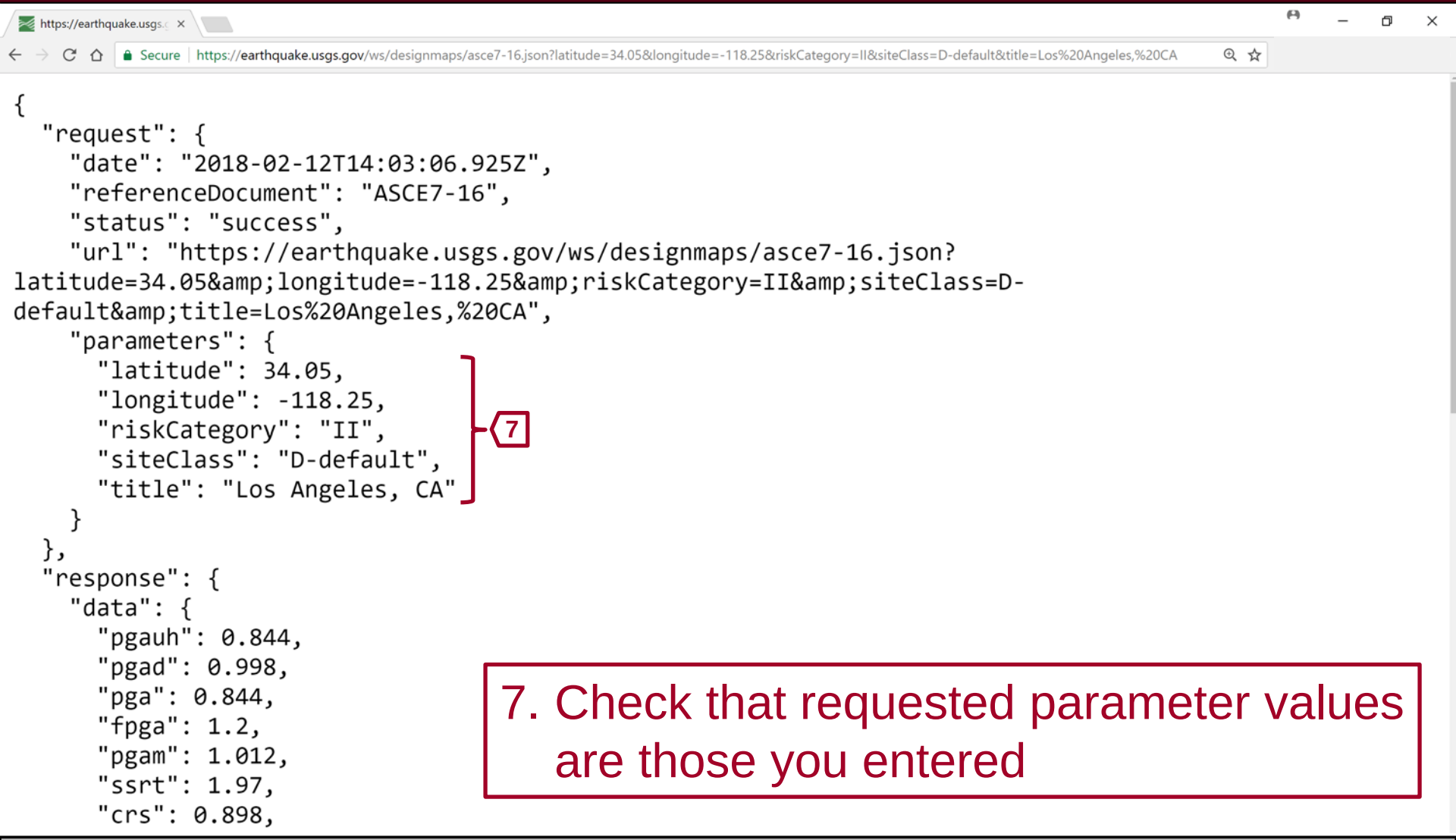
Step-by-step instructions: Steps 5d-6 of 9



5d. Still in address bar, change title to that of interest; for example, change Example to Los Angeles, CA

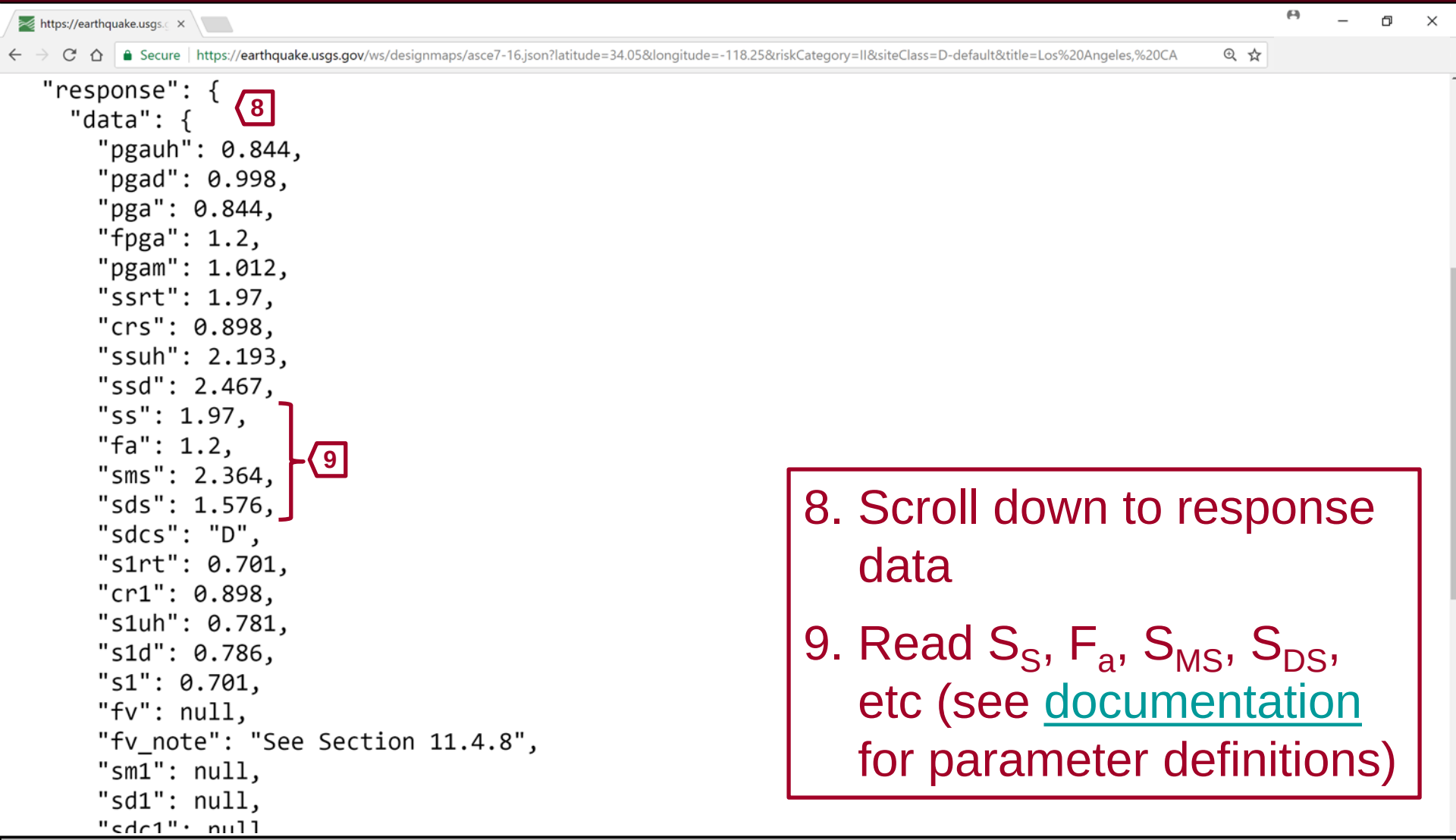
6. Press enter button on your keyboard

Step-by-step instructions: Step 7 of 9



7. Check that requested parameter values are those you entered

Step-by-step instructions: Steps 8-9 of 9



8. Scroll down to response data
9. Read S_S, F_a, S_{MS}, S_{DS}, etc (see documentation for parameter definitions)